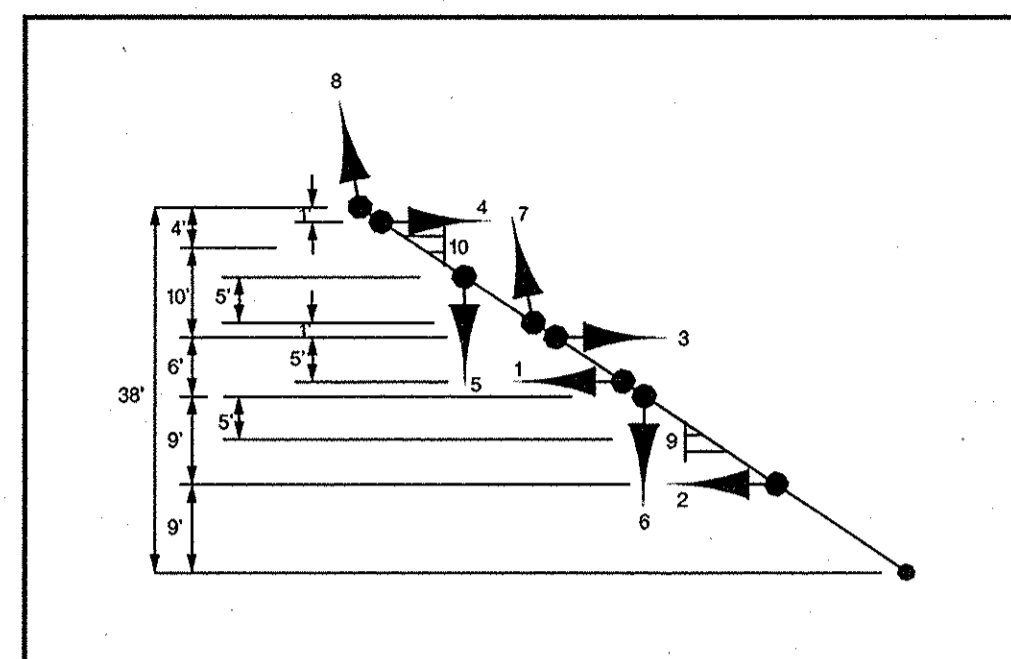
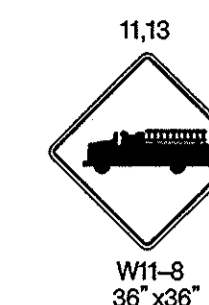
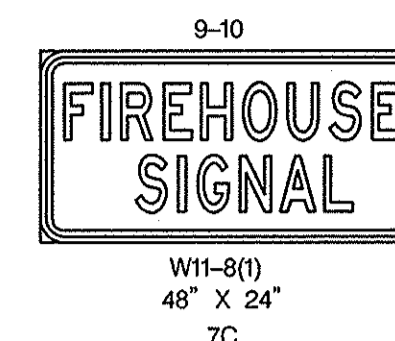


### SIGNAL DIMENSIONS

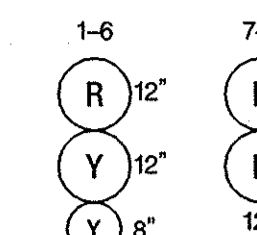


MD 648 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

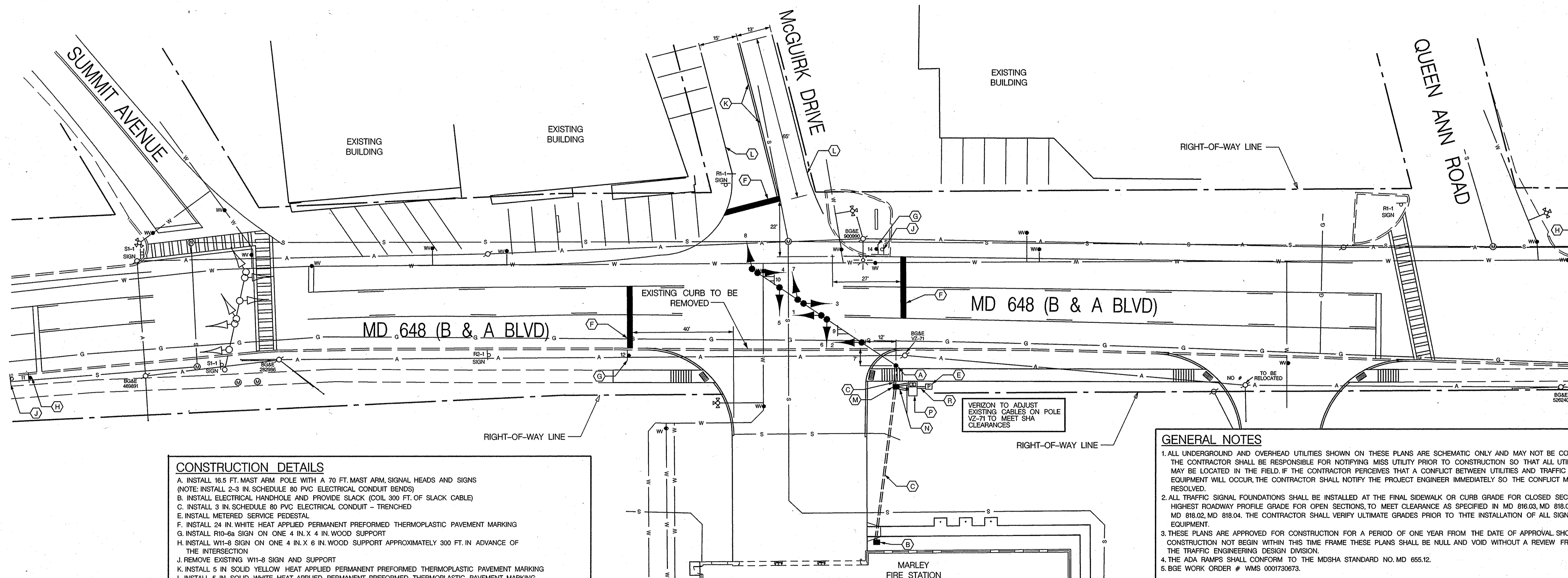
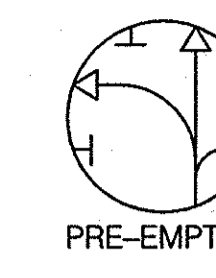
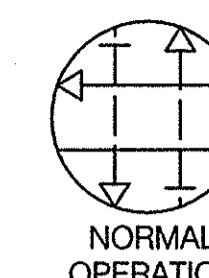
### PROPOSED SIGNS



### PROPOSED SIGNALS



### NEMA PHASING



### CONSTRUCTION DETAILS

- INSTALL 16.5 FT. MAST ARM POLE WITH A 70 FT. MAST ARM, SIGNAL HEADS AND SIGNS (NOTE: INSTALL 2-3 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT BENDS)
- INSTALL ELECTRICAL HANDHOLE AND PROVIDE SLACK (COIL 300 FT. OF SLACK CABLE)
- INSTALL 3 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED
- INSTALL METERED SERVICE PEDESTAL
- INSTALL 24 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- INSTALL R10-6a SIGN ON ONE 4 IN. X 4 IN. WOOD SUPPORT
- INSTALL W11-8 SIGN ON ONE 4 IN. X 6 IN. WOOD SUPPORT APPROXIMATELY 300 FT. IN ADVANCE OF THE INTERSECTION
- REMOVE EXISTING W11-8 SIGN AND SUPPORT
- INSTALL 5 IN. SOLID YELLOW HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- INSTALL 5 IN. SOLID WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
- INSTALL ELECTRICAL HANDHOLE
- INSTALL TWO 4 IN. SCHEDULE 80 PVC ELECTRICAL CONDUITS - TRENCHED
- INSTALL CONCRETE FOUNDATION WITH NEMA 6 TYPE BASE MOUNTED CONTROLLER AND CABINET (NOTE: INSTALL TWO 4 IN., ONE 3 IN. AND ONE 2 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT BENDS)
- INSTALL 2 IN. SCHEDULE 80 PVC ELECTRICAL CONDUIT - TRENCHED

### GENERAL NOTES (CONT.)

- THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.
- MAST ARM AND UPRIGHT ARE NOT TO BE INSTALLED UNTIL COMMUNICATION CABLES ARE RAISED TO THEIR FINAL HEIGHT AND WILL NOT BE IN CONFLICT.

FOR CONDUIT AND PUSHBUTTON CONNECTIONS INTO FIREHOUSE REFER TO ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS PROJECT NO. F529600

PERMIT# B02243739  
POWER PLAN NO. E2.02

SHA No: BW387M84  
MD 648 @ McGuirk Drive and Summit Avenue

### GENERAL NOTES

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCE AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF ONE YEAR FROM THE DATE OF APPROVAL. SHOULD CONSTRUCTION NOT BEGIN WITHIN THIS TIME FRAME THESE PLANS SHALL BE NULL AND VOID WITHOUT A REVIEW FROM THE TRAFFIC ENGINEERING DESIGN DIVISION.
- THE ADA RAMPS SHALL CONFORM TO THE MSHA STANDARD NO. MD 655.12.
- BGE WORK ORDER # WMS 0001730673.

### LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	_____	A
ELECTRICAL	_____	E
TELEPHONE	_____	T
GAS	_____	G
SEWER	_____	S
WATER	_____	W
CABLE TV	_____	TV

### TRAFFIC CONCEPTS, INC.

325 Gambrills Road  
Suite E  
Gambrills, MD 21054  
(410) 923-7101  
FAX: (410) 923-6473  
EMAIL: TRAFFIC@TRAFFIC-CONCEPTS.COM

### APPROVALS

TEAM LEADER

ASST. DIV. CHIEF

DIVISION CHIEF

OFFICE DIRECTOR

### REVISIONS

REMOVE EXISTING FIREHOUSE SIGNAL AND INSTALL NEW FIREHOUSE SIGNAL  
5-16-08  
T.M.



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

### TRAFFIC SIGNAL PLAN

MD 648 AND MCGUIRK DRIVE /  
MARLEY FIRE STATION

SCALE 1"=20' DATE 10-29-07 CONTRACT NO. \_\_\_\_\_

DESIGNED BY T. ZAYDEL COUNTY ANNE ARUNDEL  
DRAWN BY K. SCHMID LOGMILE  
CHECKED BY S. RENZI T.J.M.S. NO. I-752  
F.A.P. NO. NA TOD NO. \_\_\_\_\_

DRAWING NO. TS-3076A SHEET NO. 1 OF 3

FILE PATH: signalV8.dgn  
DATE: Monday, May 19, 2008